Name of Work: Improvements and development of Roads and Drains in Ward no-2 Chowdeshwari ward, Yelahanka sub Division.

Date of Pre-Measurement : 30-5-2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.							
	RCC Drain							
	ISRO Layout							
	11th A Main Rd							
	RHS(From Dead end)							
	Ch:0m to 9.5m		1	9.50	1.10	1.05	10.97	
	Ch:9.5m to 38m		1	28.50	1.10	1.05	32.92	
	Ch:38m to 59.5m		1	21.50				
	Ch:59.5m to 78.5m		1	19.00	1.10	1.05	21.95	
	upto Culvert(4th Cross Rd)							
	4th Cross Rd							
	LHS(From Culvert)							
	Ch:0m to 27m		1	27.00	1.10	1.05	31.19	
	Culvert Gap							
	Ch:27m to 58m		1	31.00	1.10	1.05	35.81	
	11th Main Rd							
	LHS(From Culvert)							
	Ch:0m to 28.2m		1	28.20	1.10	1.05	32.57	
	Ch:28.2m to 37.5m		1	9.30				
	Ch:37.5m to 55.7m		1	18.20	1.10	1.05	21.02	
	Ch:55.7m to 65.3m		1	9.60				
	Ch:65.3m to 95.3m		1	30.00	1.10	1.05	34.65	
	Ch:95.3m to 125.3m		1	30.00	1.10	1.05	34.65	
	Ch:125.3m to 155.3m		1	30.00	1.10	1.05	34.65	
	Ch:155.3m to 157.5m		1	2.20	1.10	1.05	2.54	
	Culvert Gap							
	Ch:157.5m to 187.5m		1	30.00	1.10	1.05	34.65	
	Ch:187.5m to 195.5m		1	8.00	1.10	1.05	9.24	
	RHS(From Dead end)							
	Ch:0m to 30m		1	30.00	1.10	1.05	34.65	
	Ch:30m to 60m		1	30.00	1.10	1.05	34.65	
	Ch:60m to 90m		1	30.00	1.10	1.05	34.65	
	Ch:90m to 120m		1	30.00	1.10	1.05	34.65	
	Ch:120m to 150m		1	30.00	1.10	1.05	34.65	
	Ch:150m to 180m		1	30.00	1.10	1.05	34.65	
	Ch:180m to 198.6m		1	18.60	1.10	1.05	21.48	
	Village Rd							
	RHS(From Dead end)							
	Ch:0m to 30m		1	30.00	1.10	1.05	34.65	
	Ch:30m to 60m		1	30.00	1.10	1.05	34.65	
	Ch:60m to 81.3m		1	21.30	1.10	1.05	24.60	
	Ch:81.3m to 111.3m		1	30.00	1.10	1.05	34.65	
	Ch:111.3m to 120.3m		1	9.00	1.10	1.05	10.40	

CAFC
30/5/2020

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	14th Main Rd							
	LHS(From B/w 14th to 13th main)							
	Ch:0m to 13.6m		1	13.60	1.10	1.05	15.71	
	Culvert Gap							
	Ch: 13.6m to 43.6m		1	30.00	1.10	1.05	34.65	
	Ch:43.6m to 47.1m		1	3.50	1.10	1.05	4.04	
	Rd Gap							
	Ch:47.1m to 77.1m		1	30.00	1.10	1.05	34.65	
	Ch:77.1m to 84.1m		1	7.00	1.10	1.05	8.09	
	Culvert Gap							
	Ch:84.1m to 114.1m		1	30.00	1.10	1.05	34.65	
	Ch:114.1m to 122.4m		1	8.30	1.10	1.05	9.59	
	9th Main Rd							
	RHS(From Main rd)							
	Ch:0m to 30m		1	30.00	1.10	1.05	34.65	
	Ch:30m to 30.5m		1	0.50	1.10	1.05	0.58	
	Culvert Gap							
	Ch:30.5m to 45.2m		1	14.70				
	Ch: 45.2m to 58.7m		1	13.50	1.10	1.05	15.59	
	Rd Gap							
	Ch:58.7m to 88.7m		1	30.00	1.10	1.05	34.65	
	Ch: 88.7m to 118.7m		1	30.00	1.10	1.05	34.65	
	Ch:118.7m to 142.7m		1	24.00	1.10	1.05	27.72	
	6th Main Rd							
	RHS(From Main rd)							
	Ch:0m to 30m		1	30.00	1.10	1.10	36.30	
	Ch:30m to 52.2m		1	22.20	1.10	1.05	25.64	
	Culvert							
	ISRO Layout							
	Water filter Rd		1	4.40	1.50	1.05	6.93	
	11th A Main Rd		1	7.30	1.50	1.05	11.50	
	11th Main Rd(LHS)		1	7.50	1.50	1.05	11.81	
	4th Cross Rd(LHS)		1	7.00	1.50	1.05	11.03	
	4th Cross Rd(LHS)		1	12.80	1.50	1.05	20.16	
	9th Main Rd(RHS)		1	6.00	1.50	1.05	9.45	
	10th Main Rd(RHS)		1	10.80	1.50	1.05	17.01	
	11th Main Rd(RHS)		1	10.70	1.50	1.05	16.85	
	13th Main Rd(RHS)		1	9.40	1.50	1.05	14.81	
	15th Main Rd(RHS)		1	10.00	1.50	1.05	15.75	
						Present Qty	**1191.57**	**Cum**

30/05

Contractor

Assistant Engineer 30/05/2020

Asst. Executive Engineer,
Yelahanka Sub Division
(BBMP Ynk Zn)
Yelahanka, Bangalore

Asst. Executive Engineer

Name of Work: Improvements and development of Roads and Drains in Ward no-2 Chowdeshwari ward, Yelahanka sub Division.

Date of Pre-Measurement : 20/6/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth		Depth	Qty	Unit
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.								
	RCC Drain								
	ISRO Layout								
	11th A Main Rd								
	RHS(From Dead end)								
	Ch:0m to 9.5m		1	9.50	1.10		0.15	1.57	
	Ch:9.5m to 38m		1	28.50	1.10		0.15	4.70	
	Ch:38m to 59.5m		1	21.50					
	Ch:59.5m to 78.5m		1	19.00	1.10		0.15	3.14	
	upto Culvert(4th Cross Rd)								
	4th Cross Rd								
	LHS(From Culvert)								
	Ch:0m to 27m		1	27.00	1.10		0.15	4.46	
	Culvert Gap								
	Ch:27m to 58m		1	31.00	1.10		0.15	5.12	
	11th Main Rd								
	LHS(From Culvert)								
	Ch:0m to 28.2m		1	28.20	1.10		0.15	4.65	
	Ch:28.2m to 37.5m		1	9.30					
	Ch:37.5m to 55.7m		1	18.20	1.10		0.15	3.00	
	Ch:55.7m to 65.3m		1	9.60					
	Ch:65.3m to 95.3m		1	30.00	1.10		0.15	4.95	
	Ch:95.3m to 125.3m		1	30.00	1.10		0.15	4.95	
	Ch:125.3m to 155.3m		1	30.00	1.10		0.15	4.95	
	Ch:155.3m to 157.5m		1	2.20	1.10		0.15	0.36	
	Culvert Gap								
	Ch:157.5m to 187.5m		1	30.00	1.10		0.15	4.95	
	Ch:187.5m to 195.5m		1	8.00	1.10		0.15	1.32	
	RHS(From Dead end)								
	Ch:0m to 30m		1	30.00	1.10		0.15	4.95	
	Ch:30m to 60m		1	30.00	1.10		0.15	4.95	
	Ch:60m to 90m		1	30.00	1.10		0.15	4.95	
	Ch:90m to 120m		1	30.00	1.10		0.15	4.95	
	Ch:120m to 150m		1	30.00	1.10		0.15	4.95	
	Ch:150m to 180m		1	30.00	1.10		0.15	4.95	
	Ch:180m to 198.6m		1	18.60	1.10		0.15	3.07	
	Village Rd								
	RHS(From Dead end)								
	Ch:0m to 30m		1	30.00	1.10		0.15	4.95	
	Ch:30m to 60m		1	30.00	1.10		0.15	4.95	

C2FC
20/6/2020

Item No	Discription of Item		No	Length	Breadth		Depth	Qty	Unit
	Ch:60m to 81.3m		1	21.30	1.10		0.15	3.51	
	Ch:81.3m to 111.3m		1	30.00	1.10		0.15	4.95	
	Ch:111.3m to 120.3m		1	9.00	1.10		0.15	1.49	
	14th Main Rd								
	LHS(From B/w 14th to 13th main)								
	Ch:0m to 13.6m		1	13.60	1.10		0.15	2.24	
	Culvert Gap								
	Ch: 13.6m to 43.6m		1	30.00	1.10		0.15	4.95	
	Ch:43.6m to 47.1m		1	3.50	1.10		0.15	0.58	
	Rd Gap								
	Ch:47.1m to 77.1m		1	30.00	1.10		0.15	4.95	
	Ch:77.1m to 84.1m		1	7.00	1.10		0.15	1.16	
	Culvert Gap								
	Ch:84.1m to 114.1m		1	30.00	1.10		0.15	4.95	
	Ch:114.1m to 122.4m		1	8.30	1.10		0.15	1.37	
	9th Main Rd								
	RHS(From Main rd)								
	Ch:0m to 30m		1	30.00	1.10		0.15	4.95	
	Ch:30m to 30.5m		1	0.50	1.10		0.15	0.08	
	Culvert Gap								
	Ch:30.5m to 45.2m		1	14.70					
	Ch: 45.2m to 58.7m		1	13.50	1.10		0.15	2.23	
	Rd Gap								
	Ch:58.7m to 88.7m		1	30.00	1.10		0.15	4.95	
	Ch: 88.7m to 118.7m		1	30.00	1.10		0.15	4.95	
	Ch:118.7m to 142.7m		1	24.00	1.10		0.15	3.96	
	6th Main Rd								
	RHS(From Main rd)								
	Ch:0m to 30m		1	30.00	1.10		0.15	4.95	
	Ch:30m to 52.2m		1	22.20	1.10		0.15	3.66	
	Culvert								
	ISRO Layout								
	Water filter Rd		1	4.40	1.50		0.15	0.99	
	11th A Main Rd		1	7.30	1.50		0.15	1.64	
	11th Main Rd(LHS)		1	7.50	1.50		0.15	1.69	
	4th Cross Rd(LHS)		1	7.00	1.50		0.15	1.58	
	4th Cross Rd(LHS)		1	12.80	1.50		0.15	2.88	
	9th Main Rd(RHS)		1	6.00	1.50		0.15	1.35	
	10th Main Rd(RHS)		1	10.80	1.50		0.15	2.43	
	11th Main Rd(RHS)		1	10.70	1.50		0.15	2.41	
	13th Main Rd(RHS)		1	9.40	1.50		0.15	2.12	
	15th Main Rd(RHS)		1	10.00	1.50		0.15	2.25	
	Concrete Road								
	Water filter Rd								
	Ch:0m to 24.6m		1	24.60	3.70 + 3.70 / 2		0.15	13.65	
	Culvert Gap								
	Ch:0m to 54.6m		1	30.00	4.00 + 4.00 / 2		0.15	18.00	

Item No	Discription of Item		No	Length	Breadth			Depth	Qty	Unit
	Ch:54.6m to 84.6m		1	30.00	4.00	+	4.00	0.15	18.00	
						2				
	Ch:84.6m to 97.6m		1	13.00	4.00	+	4.00	0.15	7.80	
						2				
								Present Qty	**227.4**	**Cum**

Contractor

Assistant Engineer

20/06/2020

st. Executive Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements and development of Roads and Drains in Ward no-2 Chowdeshwari ward, Yelahanka sub Division.

Date of Pre-Measurement : 24/7/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification.							
	RCC Drain							
	Raft							
	ISRO Layout							
	11th A Main Rd							
	RHS(From Dead end)							
	Ch:0m to 9.5m		1	9.50	0.90	0.15	1.28	
	Ch:9.5m to 38m		1	28.50	0.90	0.15	3.85	
	Ch:38m to 59.5m		1	21.50				
	Ch:59.5m to 78.5m		1	19.00	0.90	0.15	2.57	
	upto Culvert(4th Cross Rd)							
	4th Cross Rd							
	LHS(From Culvert)							
	Ch:0m to 27m		1	27.00	0.90	0.15	3.65	
	Culvert Gap							
	Ch:27m to 58m		1	31.00	0.90	0.15	4.19	
	11th Main Rd							
	LHS(From Culvert)							
	Ch:0m to 28.2m		1	28.20	0.90	0.15	3.81	
	Ch:28.2m to 37.5m		1	9.30				
	Ch:37.5m to 55.7m		1	18.20	0.90	0.15	2.46	
	Ch:55.7m to 65.3m		1	9.60				
	Ch:65.3m to 95.3m		1	30.00	0.90	0.15	4.05	
	Ch:95.3m to 125.3m		1	30.00	0.90	0.15	4.05	
	Ch:125.3m to 155.3m		1	30.00	0.90	0.15	4.05	
	Ch:155.3m to 157.5m		1	2.20	0.90	0.15	0.30	
	Culvert Gap							
	Ch:157.5m to 187.5m		1	30.00	0.90	0.15	4.05	
	Ch:187.5m to 195.5m		1	8.00	0.90	0.15	1.08	
	RHS(From Dead end)							
	Ch:0m to 30m		1	30.00	0.90	0.15	4.05	
	Ch:30m to 60m		1	30.00	0.90	0.15	4.05	
	Ch:60m to 90m		1	30.00	0.90	0.15	4.05	
	Ch:90m to 120m		1	30.00	0.90	0.15	4.05	
	Ch:120m to 150m		1	30.00	0.90	0.15	4.05	
	Ch:150m to 180m		1	30.00	0.90	0.15	4.05	
	Ch:180m to 198.6m		1	18.60	0.90	0.15	2.51	
	Village Rd							
	RHS(From Dead end)							
	Ch:0m to 30m		1	30.00	0.90	0.15	4.05	

C&FC
24/07/2020

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:30m to 60m							
	Ch:60m to 81.3m		1	30.00	0.90	0.15	4.05	
	Ch:81.3m to 111.3m		1	21.30	0.90	0.15	2.88	
	Ch:111.3m to 120.3m		1	30.00	0.90	0.15	4.05	
	14th Main Rd		1	9.00	0.90	0.15	1.22	
	LHS(From B/w 14th to 13th main)							
	Ch:0m to 13.6m							
	Culvert Gap		1	13.60	0.90	0.15	1.84	
	Ch: 13.6m to 43.6m							
	Ch:43.6m to 47.1m		1	30.00	0.90	0.15	4.05	
	Rd Gap		1	3.50	0.90	0.15	0.47	
	Ch:47.1m to 77.1m							
	Ch:77.1m to 84.1m		1	30.00	0.90	0.15	4.05	
	Culvert Gap		1	7.00	0.90	0.15	0.95	
	Ch:84.1m to 114.1m							
	Ch:114.1m to 122.4m		1	30.00	0.90	0.15	4.05	
	9th Main Rd		1	8.30	0.90	0.15	1.12	
	RHS(From Main rd)							
	Ch:0m to 30m		1	30.00	0.90	0.15	4.05	
	Ch:30m to 30.5m		1	0.50	0.90	0.15	0.07	
	Culvert Gap							
	Ch:30.5m to 45.2m		1	14.70				
	Ch: 45.2m to 58.7m		1	13.50	0.90	0.15	1.82	
	Rd Gap							
	Ch:58.7m to 88.7m		1	30.00	0.90	0.15	4.05	
	Ch: 88.7m to 118.7m		1	30.00	0.90	0.15	4.05	
	Ch:118.7m to 142.7m		1	24.00	0.90	0.15	3.24	
	6th Main Rd							
	RHS(From Main rd)							
	Ch:0m to 30m		1	30.00	0.90	0.15	4.05	
	Ch:30m to 52.2m		1	22.20	0.90	0.15	3.00	
	Wall							
	ISRO Layout							
	11th A Main Rd							
	RHS(From Dead end)							
	Ch:0m to 9.5m		2	9.50	0.15	0.60	1.71	
	Ch:9.5m to 38m		2	28.50	0.15	0.60	5.13	
	Ch:38m to 59.5m		2	21.50				
	Ch:59.5m to 78.5m		2	19.00	0.15	0.60	3.42	
	upto Culvert(4th Cross Rd)							
	4th Cross Rd							
	LHS(From Culvert)							
	Ch:0m to 27m		2	27.00	0.15	0.60	4.86	
	Culvert Gap							
	Ch:27m to 58m		2	31.00	0.15	0.60	5.58	
	11th Main Rd							
	LHS(From Culvert)							
	Ch:0m to 28.2m		2	28.20	0.15	0.60	5.08	
	Ch:28.2m to 37.5m		2	9.30				
	Ch:37.5m to 55.7m		2	18.20	0.15	0.60	3.28	

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:55.7m to 65.3m		2	9.60				
	Ch:65.3m to 95.3m		2	30.00	0.15	0.60	5.40	
	Ch:95.3m to 125.3m		2	30.00	0.15	0.60	5.40	
	Ch:125.3m to 155.3m		2	30.00	0.15	0.60	5.40	
	Ch:155.3m to 157.5m		2	2.20	0.15	0.60	0.40	
	Culvert Gap							
	Ch:157.5m to 187.5m		2	30.00	0.15	0.60	5.40	
	Ch:187.5m to 195.5m		2	8.00	0.15	0.60	1.44	
	RHS(From Dead end)							
	Ch:0m to 30m		2	30.00	0.15	0.60	5.40	
	Ch:30m to 60m		2	30.00	0.15	0.60	5.40	
	Ch:60m to 90m		2	30.00	0.15	0.60	5.40	
	Ch:90m to 120m		2	30.00	0.15	0.60	5.40	
	Ch:120m to 150m		2	30.00	0.15	0.60	5.40	
	Ch:150m to 180m		2	30.00	0.15	0.60	5.40	
	Ch:180m to 198.6m		2	18.60	0.15	0.60	3.35	
	Village Rd							
	RHS(From Dead end)							
	Ch:0m to 30m		2	30.00	0.15	0.60	5.40	
	Ch:30m to 60m		2	30.00	0.15	0.60	5.40	
	Ch:60m to 81.3m		2	21.30	0.15	0.60	3.83	
	Ch:81.3m to 111.3m		2	30.00	0.15	0.60	5.40	
	Ch:111.3m to 120.3m		2	9.00	0.15	0.60	1.62	
	14th Main Rd							
	LHS(From B/w 14th to 13th main)							
	Ch:0m to 13.6m		2	13.60	0.15	0.60	2.45	
	Culvert Gap							
	Ch: 13.6m to 43.6m		2	30.00	0.15	0.60	5.40	
	Ch:43.6m to 47.1m		2	3.50	0.15	0.60	0.63	
	Rd Gap							
	Ch:47.1m to 77.1m		2	30.00	0.15	0.60	5.40	
	Ch.77.1m to 84.1m		2	7.00	0.15	0.60	1.26	
	Culvert Gap							
	Ch:84.1m to 114.1m		2	30.00	0.15	0.60	5.40	
	Ch:114.1m to 122.4m		2	8.30	0.15	0.60	1.49	
	9th Main Rd							
	RHS(From Main rd)							
	Ch:0m to 30m		2	30.00	0.15	0.60	5.40	
	Ch:30m to 30.5m		2	0.50	0.15	0.60	0.09	
	Culvert Gap							
	Ch:30.5m to 45.2m		2	14.70				
	Ch: 45.2m to 58.7m		2	13.50	0.15	0.60	2.43	
	Rd Gap							
	Ch:58.7m to 88.7m		2	30.00	0.15	0.60	5.40	
	Ch: 88.7m to 118.7m		2	30.00	0.15	0.60	5.40	
	Ch:118.7m to 142.7m		2	24.00	0.15	0.60	4.32	
	6th Main Rd							
	RHS(From Main rd)							
	Ch:0m to 30m		2	30.00	0.15	0.60	5.40	
	Ch:30m to 52.2m		2	22.20	0.15	0.60	4.00	

C2 FC
24/07

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Culvert Raft							
	ISRO Layout							
	Water filter Rd		1	4.40	1.30	0.23	1.32	
	11th A Main Rd		1	7.30	1.30	0.23	2.18	
	11th Main Rd(LHS)		1	7.50	1.30	0.23	2.24	
	4th Cross Rd(LHS)		1	7.00	1.30	0.23	2.09	
	4th Cross Rd(LHS)		1	12.80	1.30	0.23	3.83	
	9th Main Rd(RHS)		1	6.00	1.30	0.23	1.79	
	10th Main Rd(RHS)		1	10.80	1.30	0.23	3.23	
	11th Main Rd(RHS)		1	10.70	1.30	0.23	3.20	
	13th Main Rd(RHS)		1	9.40	1.30	0.23	2.81	
	15th Main Rd(RHS)		1	10.00	1.30	0.23	2.99	
	Culvert Wall							
	ISRO Layout							
	Water filter Rd		2	4.40	0.23	0.60	1.21	
	11th A Main Rd		2	7.30	0.23	0.60	2.01	
	11th Main Rd(LHS)		2	7.50	0.23	0.60	2.07	
	4th Cross Rd(LHS)		2	7.00	0.23	0.60	1.93	
	4th Cross Rd(LHS)		2	12.80	0.23	0.60	3.53	
	9th Main Rd(RHS)		2	6.00	0.23	0.60	1.66	
	10th Main Rd(RHS)		2	10.80	0.23	0.60	2.98	
	11th Main Rd(RHS)		2	10.70	0.23	0.60	2.95	
	13th Main Rd(RHS)		2	9.40	0.23	0.60	2.59	
	15th Main Rd(RHS)		2	10.00	0.23	0.60	2.76	
	Ramp							
	11th A Main Rd		1	7.30	3.00	0.075	1.64	
	11th Main Rd(LHS)		1	7.50	3.00	0.075	1.69	
	4th Cross Rd(LHS)		1	7.00	3.00	0.100	2.10	
	4th Cross Rd(LHS)		1	12.80	3.00	0.075	2.88	
	9th Main Rd(RHS)		1	6.00	3.00	0.100	1.80	
	10th Main Rd(RHS)		1	10.80	3.00	0.075	2.43	
	11th Main Rd(RHS)		1	10.70	3.00	0.075	2.41	
	13th Main Rd(RHS)		1	9.40	3.00	0.075	2.12	
	15th Main Rd(RHS)		1	10.00	3.00	0.075	2.25	
						Present Qty	**356.33**	**Cum**

C&FC

24/07

Contractor

Assistant Engineer 24/7/2020

Asst. Executive Engineer,
Yelahanka Sub Division
(BBMP Vnk Zn)
Yelahanka, Bangalore

Name of Work: Improvements and development of Roads and Drains in Ward no-2 Chowdeshwari ward, Yelahanka sub Division.

Date of Pre-Measurement : 20/6/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.							
	RCC Drain							
	11th A Main Rd							
	RHS(From Dead end)							
	Total Drain length=57m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=570.00Nos		570	2.00		0.61	695.40	
	Distribution bar							
	Distribution bar 10mm dia @ 140mm							
	0.61kg/mtr		14	57.00		0.61	486.78	
	4th Cross Rd							
	LHS(From Culvert)							
	Total Drain length=58m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=580.00Nos		580	2.00		0.61	707.60	
	Distribution bar							
	Distribution bar 10mm dia @ 140mm							
	0.61kg/mtr		14	58.00		0.61	495.32	
	11th Main Rd							
	LHS(From Culvert)							
	Total Drain length=176.6m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1766Nos		1766	2.00		0.61	2154.52	
	Distribution bar							
	Distribution bar 10mm dia @ 140mm							
	0.61kg/mtr		14	176.60		0.61	1508.16	
	RHS(From Dead end)							
	Total Drain length=198.6m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1986Nos		1986	2.00		0.61	2422.92	
	Distribution bar							
	Distribution bar 10mm dia @ 140mm							
	0.61kg/mtr		14	198.60		0.61	1696.04	
	Village Rd							
	RHS(From Dead end)							

Total Drain length=120.3m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=1203Nos						
Distribution bar	1203	2.00		0.61	1467.66	
Distribution bar 10mm dia @ 140mm						
0.61kg/mtr						
14	120.30			0.61	1027.36	
14th Main Rd						
LHS(From B/w 14th to 13th main)						
Total Drain length=122.4m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=1224Nos						
Distribution bar	1224	2.00		0.61	1493.28	
Distribution bar 10mm dia @ 140mm						
0.61kg/mtr						
14	122.40			0.61	1045.30	
9th Main Rd						
RHS(From Main rd)						
Total Drain length=128m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=1280Nos	1280	2.00		0.61	1561.60	
Distribution bar						
Distribution bar 10mm dia @ 140mm						
0.61kg/mtr						
14	128.00			0.61	1093.12	
6th Main Rd						
RHS(From Main rd)						
Total Drain length=52.2m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=522Nos	522	2.00		0.61	636.84	
Distribution bar						
Distribution bar 10mm dia @ 140mm						
0.61kg/mtr						
14	52.20			0.61	445.79	
Culvert						
Total Culvert length=81.5m						
Main bar 10mm dia bar @ 150mm						
0.61kg/mtr, double mat						
No of U-bar=522Nos	1086	2.30		0.61	1523.66	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr, double mat	24	81.50		0.61	1193.16	
					21654.51	Kgs
					21.65	**Ton**

Contractor

Assistant Engineer 20/6/2020

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP YNK Zn.)
Bangalore

Asst. Executive Engineer,
Yelahanka, Bangalore

Name of Work: **Improvements and development of Roads and Drains in Ward no-2 Chowdeshwari ward, Yelahanka sub Division.**

Date of Pre-Measurement : 12/5/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
7	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.							
	Concrete Road							
	Water filter Rd							
	Ch:0m to 24.6m		1	24.60	3.70 + 3.70 / 2	0.25	22.76	
	Culvert Gap							
	Ch:0m to 54.6m		1	30.00	4.00 + 4.00 / 2	0.25	30.00	
	Ch:54.6m to 84.6m		1	30.00	4.00 + 4.00 / 2	0.25	30.00	
	Ch:84.6m to 97.6m		1	13.00	4.00 + 4.00 / 2	0.25	13.00	
						Present Qty	**95.76**	**Cum**

CAFC 12/5

Contractor

Assistant Engineer 12/5/2020

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Unk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements and development of Roads and Drains in Ward no-2 Chowdeshwari ward, Yelahanka sub Division.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per									
	Vide Premeasurement page no.									
						Present Qty	**1191.57**	**Cum**	**215.28**	**256521.84**
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine									
	Vide Premeasurement page no.									
						Present Qty	**227.44**	**Cum**	**5505.64**	**1252213.77**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine									
	Vide Premeasurement page no.									
						Present Qty	**356.33**	**Cum**	**7070.20**	**2519334.97**
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining									
	Vide Premeasurement page no.									
						Present Qty	**21.65**	**Ton**	**75223.96**	**1628938.14**
7	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials									
	Vide Premeasurement page no.									
						Present Qty	**95.76**	**Ton**	**973.42**	**93209.83**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements and development of Roads and Drains in Ward no-2 Chowdeshwari ward, Yelahanka sub Division.

Date of Measurement : 29/8/2020

Detailed Measurements

Sl No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
5	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading, etc.,complete as per the direction of engineer								
	ISRO Layout								
	11th A Main Rd								
	RHS(From Dead end)								
	Ch:0m to 9.5m	1	9.50	0.90		8.55			
	Ch:9.5m to 38m	1	28.50	0.90		25.65			
	Ch:38m to 59.5m	1	21.50						
	Ch:59.5m to 78.5m	1	19.00	0.90		17.10			
	upto Culvert(4th Cross Rd)								
	4th Cross Rd								
	LHS(From Culvert)								
	Ch:0m to 27m	1	27.00	0.90		24.30			
	Culvert Gap								
	Ch:27m to 58m	1	31.00	0.90		27.90			
	11th Main Rd								
	LHS(From Culvert)								
	Ch:0m to 28.2m	1	28.20	0.90		25.38			
	Ch:28.2m to 37.5m	1	9.30						
	Ch:37.5m to 55.7m	1	18.10	0.90		16.29			
	Ch:55.7m to 65.3m	1	9.60						
	Ch:65.3m to 95.3m	1	30.00	0.90		27.00			
	Ch:95.3m to 125.3m	1	30.00	0.90		27.00			
	Ch:125.3m to 155.3m	1	30.00	0.90		27.00			
	Ch:155.3m to 157.5m	1	2.20	0.90		1.98			
	Culvert Gap								
	Ch:157.5m to 187.5m	1	30.00	0.90		27.00			
	Ch:187.5m to 195.5m	1	8.00	0.90		7.20			
	RHS(From Dead end)								
	Ch:0m to 30m	1	30.00	0.90		27.00			
	Ch:30m to 60m	1	30.00	0.90		27.00			
	Ch:60m to 90m	1	30.00	0.90		27.00			
	Ch:90m to 120m	1	30.00	0.90		27.00			
	Ch:120m to 150m	1	30.00	0.90		27.00			
	Ch:150m to 180m	1	30.00	0.90		27.00			
	Ch:180m to 198.6m	1	18.60	0.90		16.74			
	Village Rd								
	RHS(From Dead end)								
	Ch:0m to 30m	1	30.00	0.90		27.00			
	Ch:30m to 60m	1	30.00	0.90		27.00			
	Ch:60m to 81.3m	1	21.30	0.90		19.17			
	Ch:81.3m to 111.3m	1	30.00	0.90		27.00			
	Ch:111.3m to 120.3m	1	9.00	0.90		8.10			
	14th Main Rd								
	LHS(From B/w 14th to 13th main)								
	Ch:0m to 13.6m	1	13.60	0.90		12.24			
	Culvert Gap								
	Ch: 13.6m to 43.6m	1	30.00	0.90		27.00			
	Ch:43.6m to 47.1m	1	3.50	0.90		3.15			
	Rd Gap								
	Ch:47.1m	1	30.00	0.90		27.00			

29/8

21/9/2020

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch:77.1m to 84.1m									
	Culvert Gap		1	7.00	0.90		6.30			
	Ch:84.1m to 114.1m									
	Ch:114.1m to 122.4m		1	30.00	0.90		27.00			
	9th Main Rd		1	8.30	0.90		7.47			
	RHS(From Main rd)									
	Ch:0m to 30m									
	Ch:30m to 30.5m		1	30.00	0.90		27.00			
	Culvert Gap		1	0.50	0.90		0.45			
	Ch:30.5m to 45.2m									
	Ch: 45.2m to 58.7m		1	14.70						
	Rd Gap		1	13.50	0.90		12.15			
	Ch:58.7m to 88.7m									
	Ch: 88.7m to 118.7m		1	30.00	0.90		27.00			
	Ch:118.7m to 142.7m		1	30.00	0.90		27.00			
	6th Main Rd		1	24.00	0.90		21.60			
	RHS(From Main rd)									
	Ch:0m to 30m		1	30.00	0.90		27.00			
	Ch:30m to 52.2m		1	22.20	0.90		19.98			
						Present Qty	**821.70**	**Sqm**	**2337.00**	**1920312.90**

Contractor

Assistant Engineer 22/8/2020

Asst. Executive Engineer,

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk Zn)
Yelahanka, Bangalore

Name of Work: **Improvements and development of Roads and Drains in Ward no-2 Chowdeshwari ward, Yelahanka sub Division.**

Date of Measurement : 14/9/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
6	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading, etc.,complete as per the									
	Culvert									
	ISRO Layout									
	Water filter Rd		1	4.40	1.20		5.28			
	11th A Main Rd		1	7.30	1.20		8.76			
	11th Main Rd(LHS)		1	7.50	1.20		9.00			
	4th Cross Rd(LHS)		1	7.00	1.20		8.40			
	4th Cross Rd(LHS)		1	12.80	1.20		15.36			
	9th Main Rd(RHS)		1	6.00	1.20		7.20			
	10th Main Rd(RHS)		1	10.80	1.20		12.96			
	11th Main Rd(RHS)		1	10.70	1.20		12.84			
	13th Main Rd(RHS)		1	9.40	1.20		11.28			
	15th Main Rd(RHS)		1	10.00	1.20		12.00			
						Present Qty	**103.08**	**Sqm**	**5418.00**	**558487.44**

Contractor

Assistant Engineer 14/9/2020

Asst. Executive Engineer,

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: **Improvements and development of Roads and Drains in Ward no-2 Chowdeshwari ward, Yelahanka sub Division.**

Date of Measurement : 14/9/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
8	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint									
	Concrete Road									
	Water filter Rd									
	Ch:0m to 24.6m		1	24.60	3.70 + 3.70 / 2	0.15	13.65			
	Culvert Gap									
	Ch:0m to 54.6m		1	30.00	4.00 + 4.00 / 2	0.15	18.00			
	Ch:54.6m to 84.6m		1	30.00	4.00 + 4.00 / 2	0.15	18.00			
	Ch:84.6m to 97.6m		1	13.00	4.00 + 4.00 / 2	0.15	7.80			
							Present Qty	**57.45**	**Cum**	**5210.96**	**299385.28**

Total	**8528404.18**
12% GST	**1023408.50**
4% KRIDL	**341136.17**
Grand Total	**9892948.85**

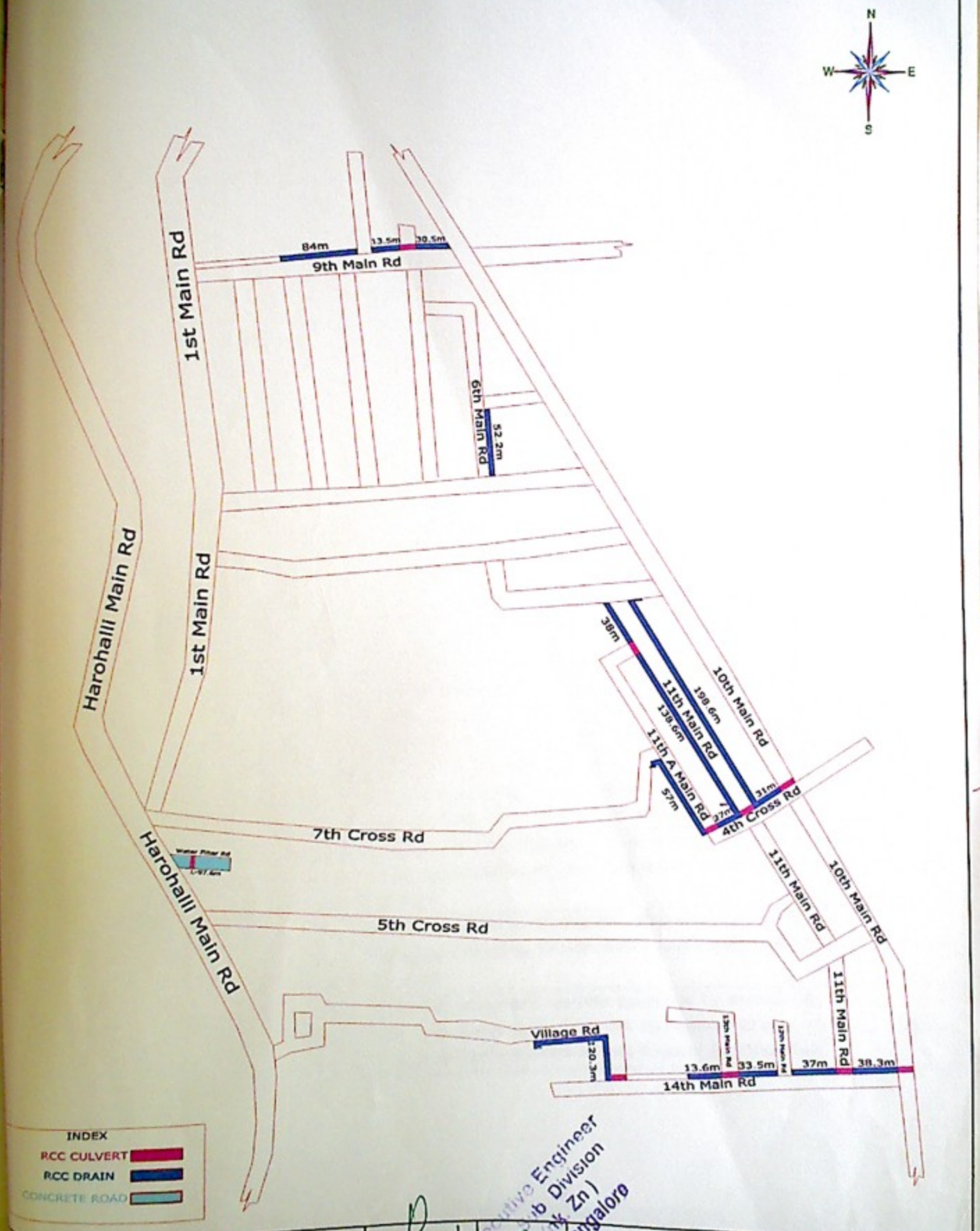
Contractor

Assistant Engineer 14/9/2020

Asst. Executive Engineer,

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangaloro

e of Work:Improvements and development of Roads and Drains in Ward no-2 Chowdeshwari ward, Yelahanka sub Division.



Executive Engineer
Sub Division
Zn)
Bangalore